

MATH ASSESSMENT (BASELINE – GRADES 4-5)

Learning Lab RCT #0

Abdul Latif Jameel Poverty Action Lab (J-PAL) South Asia

1. School ID: _____**2. Student ID:** _____**3. Grade:**

- a. Grade 4
- b. Grade 5

4. Section:

- a. A
- b. B

5. Date (dd/mm/yy): ____/____/____

1. $52 - 7 =$ _____

- a. 59
- b. 25
- c. 45
- d. 364

2. $243 + 176 =$ _____

- a. 419
- b. 67
- c. 70
- d. 914

3. $48 \times 5 =$ _____

- a. 200
- b. 240
- c. 420
- d. 500

4. $15 \times 9 =$ _____

- a. 145
- b. 130
- c. 140
- d. 135

5. $27 \div 3 =$ _____

- a. 9
- b. 3
- c. 24
- d. 30

6. $49 - 28 =$ _____

- a. 77
- b. 21
- c. 19
- d. 20

7. $45 \div 15 =$ _____

- a. 3
- b. 30
- c. 5
- d. 675

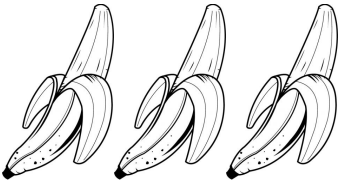
8. ♣ stands for a number. $7 \times \clubsuit$ will always give the same answer as:

- a. $\clubsuit \times 7$
- b. $\clubsuit + 7$
- c. $\clubsuit - 7$
- d. $\clubsuit \div 7$

9. Which digit is in the hundreds place in 2345?

- a. 2
- b. 3
- c. 4
- d. 5

10. How many more bananas are needed to sum to 5?



- a. 2
- b. 4
- c. 3
- d. 1

11. Which of these could be the weight (mass) of an adult?

- a. 1 kilogram
- b. 6 kilograms
- c. 60 kilograms
- d. 600 kilograms

12. The unit “grams” could be used to tell:

- e. The number of mangoes in a box
- f. The space occupied by a book
- g. How heavy your pencil box is
- h. The thickness of a dictionary

13. What is the missing number in 16, 15, 14, ___, 12, 11, 10?

- a. 15
- b. 17
- c. 12
- d. 13

14. What is 25% of 200?

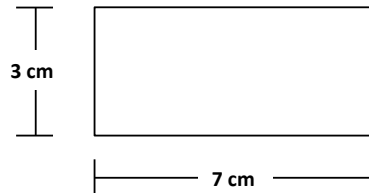
- a. 25
- b. 50
- c. 100
- d. 18.30

15. Ruchika and Sharanya are answering a paper containing 100 very simple questions. For each 5 correct answers, one gets a chocolate. As per the rule and the results, Ruchika got 15 chocolates and Sharanya got 10 chocolates.

Which of the following is true?

- a. Ruchika got 5 more questions right than Sharanya
- b. Ruchika got 10 more questions right than Sharanya
- c. Ruchika got 25 more questions right than Sharanya
- d. Ruchika got 1 more question right than Sharanya

16. What is the perimeter of this rectangle?



- a. 7 cm
- b. 10 cm
- c. 20 cm
- d. 21 cm

17. $112 + 45 + 467 =$

- a. 157
- b. 512
- c. 579
- d. 624

18. Three boys went to a market. They spent 5 Rupees each. How much did the three boys spend in total?

- a. 5
- b. 10
- c. 20
- d. 15

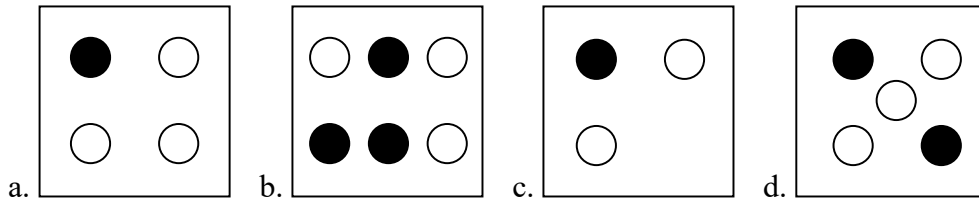
19. $5,631 + 286 =$

- a. 5,917
- b. 5,971
- c. 297,631
- d. 5.971

20. Which of these is the largest number?

- a. 2,735
- b. 2,537
- c. 2,573
- d. 2,753

21. In which figure are one-half of the dots black?

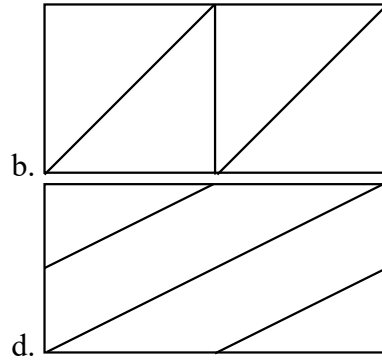
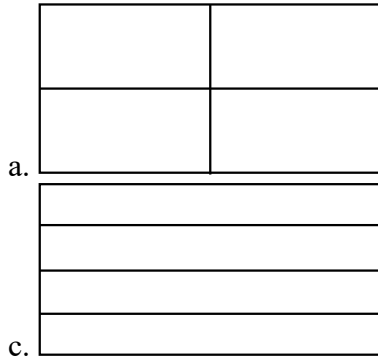


22. What is the missing number in the box?

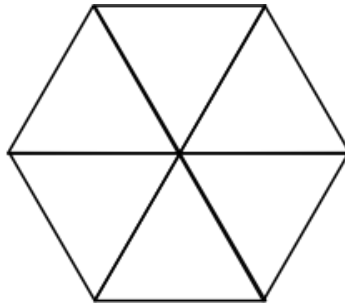
$$3 \times \square = 3 + 3 + 3 + 3$$

- a. 3
- b. 4
- c. 5
- d. 12

23. Which rectangle is NOT divided into 4 equal parts?



24. The hexagon below is divided into six _____.



- a. Triangles
- b. Squares
- c. Pentagons
- d. Rectangles

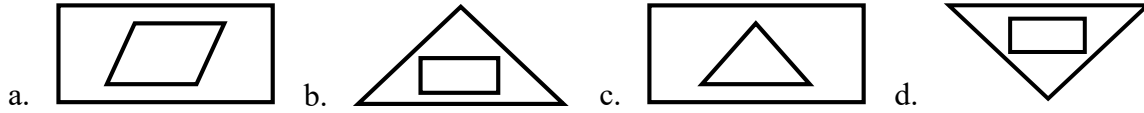
25. Here is a calendar for the month of December.

December						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

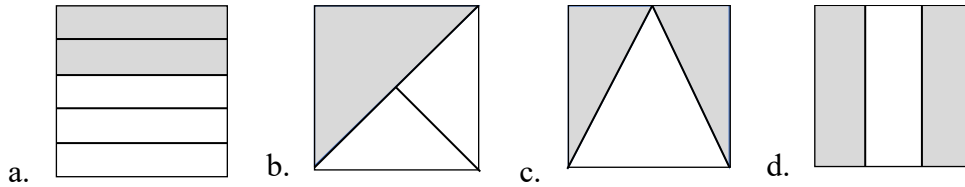
Santosh's birthday is on Thursday, December 2. He is going on a trip exactly 3 weeks later. On what day will he go on the trip?

- a. December 16th
- b. December 21st
- c. December 23rd
- d. December 30th

26. Which of the following shapes has a rectangle with a triangle inside it?



27. Which shows $\frac{2}{3}$ of the square shaded?



28. This chart shows temperature readings made at different times on four days.

Temperatures					
	6 a.m.	9 a.m.	Noon	3 p.m.	8 p.m.
Monday	15°	17°	20°	21°	19°
Tuesday	15°	15°	15°	15°	9°
Wednesday	8°	10°	14°	14°	15°
Thursday	8°	11°	14°	14°	20°

When was the highest temperature recorded?

- a. Noon on Monday
- b. 3 p.m. on Monday
- c. Noon on Tuesday
- d. 3 p.m. on Wednesday

29. Which of the following is true?

- a. $69 = 6 + 9$
- b. $69 = 6 + 90$
- c. $69 = 60 + 9$
- d. $69 = 60 + 90$

30. What is the total value of notes and coins in this picture?



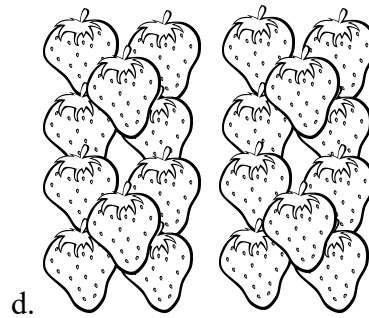
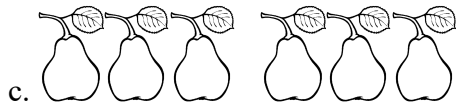
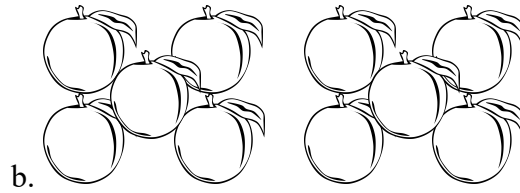
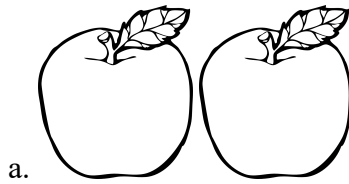
- a. 50 Rupees
- b. 53 Rupees
- c. 65 Rupees
- d. 75 Rupees

31. What is the total bill amount?

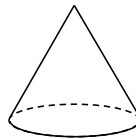
Kamal Stationery 24, Ghandi Road, Ahmedabad			
Goods	Price	Qty.	Amount
Rubber	2.00	5	10.00
Ruler	1.50	1	1.50
Pencil	3.00	1	3.00
Chalk box	15.00	1	15.00
Total Rs.			?
For, Kamal Stationery			

- a. Rs. 10.00
- b. Rs. 21.50
- c. Rs. 29.00
- d. Rs. 29.50

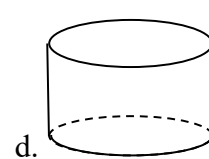
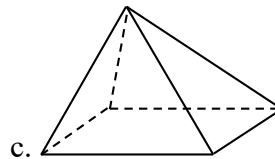
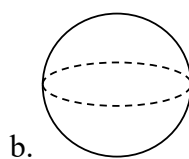
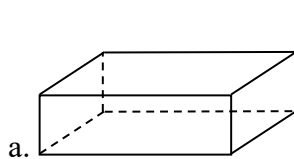
32. Which of the following figures is equal to 2 tens?



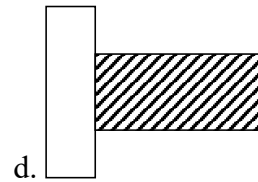
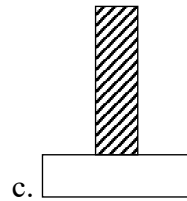
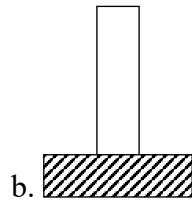
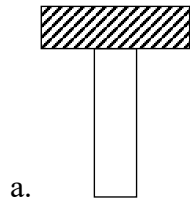
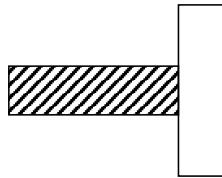
33. Here is a cone. Part of its surface is flat and part of its surface is curved.



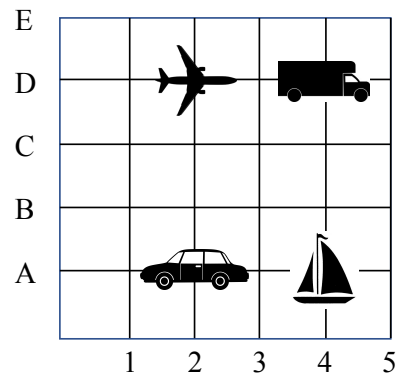
Which of the following pictures also has a flat surface and a curved surface?






34. Which of the following shapes needs to be turned to get the shape above?



35. This is a game board.



Which object is located at (2,D)?

- a. The plane 
- b. The truck 
- c. The car 
- d. The boat 